

EXHIBIT E

RESULT 7
AAV63730
ID AAV63730 standard; DNA; 9299 BP.
XX
AC AAV63730;
XX
DT 12-APR-1999 (first entry)
XX
DE Vector plasmid PerGUS16.
XX
KW Peroxidase; per5 gene; maize; corn; transgenic plant; promoter; root;
KW vector; plasmid PerGUS16; beta-glucuronidase; uidA; reporter gene; ds;
KW circular; cyclic.
XX
OS Escherichia coli.
OS Zea mays.
OS Agrobacterium tumefaciens.
OS Synthetic.
OS Chimeric.
XX
FH Key Location/Qualifiers
FT promoter 48..4247
FT /*tag= a
FT /note= "per5 promoter and untranslated leader"
FT exon 4248..4263
FT /*tag= b
FT /note= "per5 exon 1"
FT CDS 4264..6068
FT /*tag= c
FT /product= "beta-glucuronidase"
FT /note= "Escherichia coli uidA reporter gene"
FT 3'UTR 6069..6111
FT /*tag= d
FT /note= "3' untranslated region from pBI221"
FT 3'UTR 6122..6396
FT /*tag= e
FT /note= "nos 3'UTR"
FT misc_feature 6397..6407
FT /*tag= f
FT /note= "linker"
FT misc_feature 6408..9299
FT /*tag= g
FT /note= "Bluescript II SK-"
XX
PN WO9856921-A1.
XX
PD 17-DEC-1998.
XX
RF 10-JUN-1998; 98WO-05011921.
XX
PR 12-JUN-1997; 97US-0049752P.
XX
PA (DOWC) DOW AGROSCIENCES LLC.
XX
PI Ainley M, Armstrong K, Belmar S, Folkerts O, Hopkins N, Menke MA;
PI Pareddy D, Petolino JF, Smith K, Woosley A;
XX
DR WPI; 1999-080904/07.
XX
PT New isolated regulatory sequences for transgenic plants - which are
PT derived from the maize root preferential cationic peroxidase protein
PT (per5) gene.
XX
PS Example 11; Page 108-112; 150pp; English.
XX
CC This is the nucleotide sequence of PerGUS, a plasmid containing 4 kb of
CC the maize root preferential cationic peroxidase per5 gene comprising the
CC per5 promoter, untranslated leader, and the first 3 codons of the coding
CC region (i.e. nucleotides 1-4200 of the sequence given in AAV63717), as
CC well as the GUS gene, and the nos 3' untranslated region (3'UTR). It does
CC not include an intron in the untranslated region. The invention relates
CC to new isolated regulatory sequences, especially promoter, intron and
CC 3'UTR sequences, of the maize per5 gene. Claimed recombinant gene
CC cassettes comprising per5 regulatory sequences are used to control
CC expression of recombinant genes in selected tissue, especially the root,
CC of transformed plants, particularly maize
XX
SQ Sequence 9299 BP; 2573 A; 2114 C; 2158 G; 2453 T; 0 U; 1 Other;
Query Match 25.4%; Score 209.2; DB 2; Length 9299;

